

WARWICK UNIVERSITY

GOING Beyond Cat6™
WITH NORDX/CDT's 4800LX SYSTEM



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NORDX/CDT's revolutionary GigaBIX Cross-Connect System is Warwick University's first Category 6 System

One of Britain's leading Universities, University of Warwick required an advanced telecommunications infrastructure to support the communications needs for their various departments and vast student population. In April 2002, Amber Communication Networks, a NORDX/CDT Certified System Vendor implemented an IBDN 4800LX Beyond Cat6™ GigaBIX structured cabling system at the University to compliment their institutions goals.

The University of Warwick is research led and is committed to providing undergraduate and postgraduate teaching of the highest quality along with superior high-tech resources to support them. Sited on the southern side of Coventry where the city meets the County of Warwickshire, the University is the place of study for 17,904 undergraduate and postgraduate students and employs more than 3,800 staff across a range of University departments.

Amber Communication Networks highly skilled consultants and engineers were chosen to implement a cabling system that would achieve high-bandwidth performance to meet the high-speed technology demands of the University's computer-intensive technologies. Amber Communication Networks are experts in the implementation and design of effective networking platforms. They provide a number of services including, technical consultancy, outside plant design, survey and telecommunications cabling design and installation, testing and maintenance.

University of Warwick required an advanced telecommunications infrastructure ...

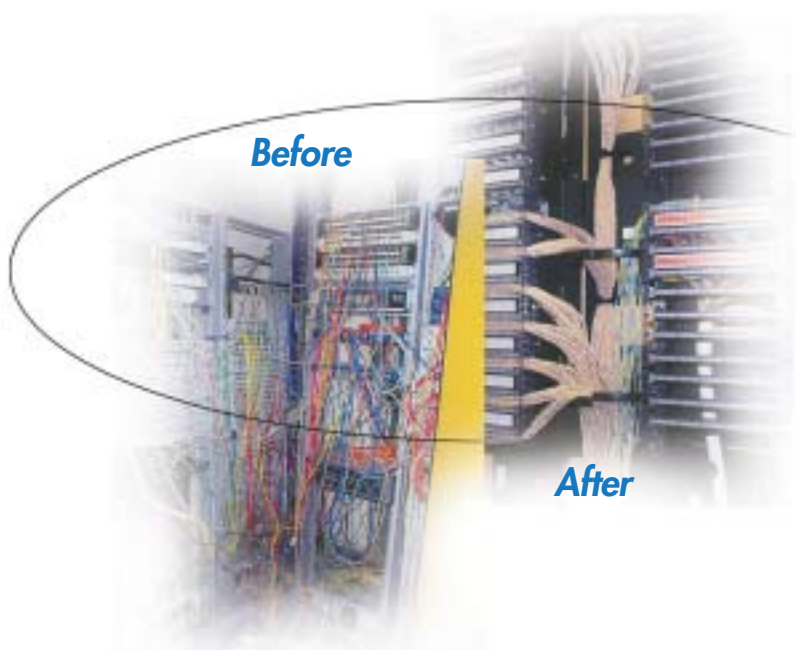
IBDN *Success Stories*

*NORDX/CDT's GigaBIX
Cross-Connect System
transformed the
Communications room.*

Beyond Cat6™ Solution

The project was split into 4 phases as part of a refurbishment exercise. In the Social Studies building at Warwick University there is one new installation of approximately 180 outlets fed from one Communications Room using PS6+ modules, angled adapters and NORDX/CDT's revolutionary GigaBIX Cross-Connect System. Another new installation of approximately 70 outlets are fed to another Telecommunications Room using PS6+ modules, angled adapters and NORDX/CDT's GigaFlex Patch Panels. Fibre optic and multi core voice linked the two areas and connected the rest of the campus. All the IBDN 4824LX IBDN cables are contained in a basket tray within the ceiling voids.

Harvey Fawcett, Amber Communication Networks Technical Manager, proposed the NORDX/CDT's GigaBIX Cross-Connect System to the informed decision



makers at Warwick University. Since the space allocated for the Telecommunications Room was extremely limited the IBDN GigaBIX Cross-Connect System was the perfect choice.

"We recommended GigaBIX to the University because of its exceptional performance and space saving capabilities. The room we had to use to house all the passive and active infrastructure equipment was extremely small, without using GigaBIX it would have been almost impossible to fit the number of outlets in with any degree of future expandability. As it stands now the University has an extremely high performance system with plenty of growth potential"

Benefits

In a highly competitive and ever-expanding global marketplace choosing the right structured cabling system that allows for efficient communications and effective data exchange is critical for any business or institution. A well designed and installed structured cabling system provides a critical foundation that allows networks to operate at peak potential. Warwick University can now benefit from the performance of the Beyond Cat6™ IBDN System 4800LX and the space saving attributes of the GigaBIX Cross-Connect System.

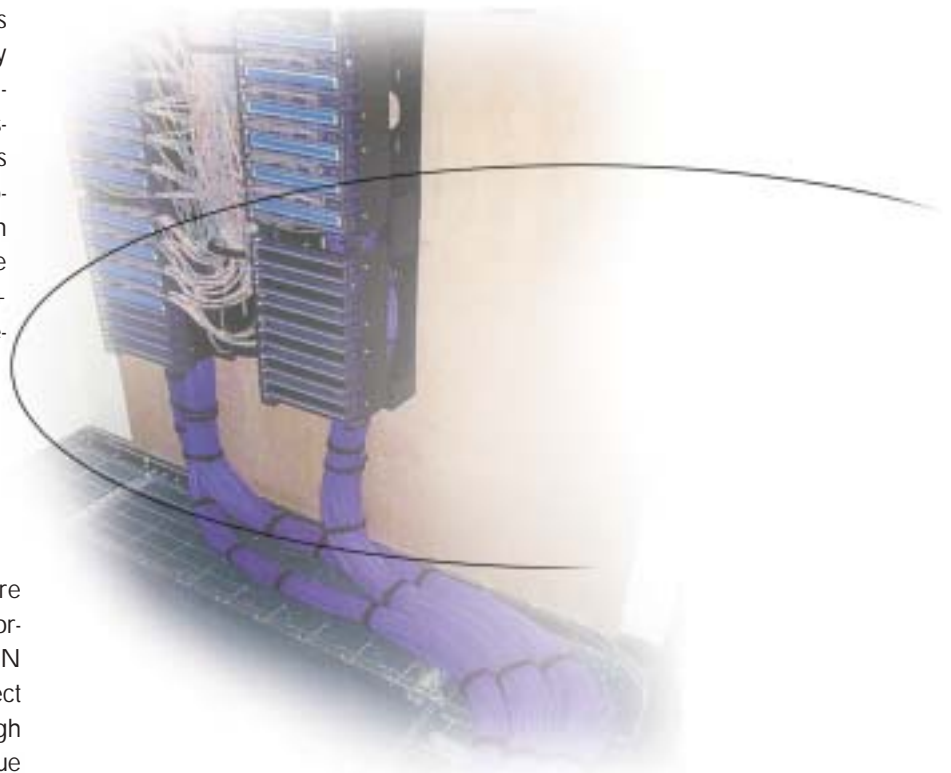
IBDN *Success Stories*

IBDN System 4800LX

This end-to-end structured cabling system easily provides bandwidth capabilities of 300MHz and exceeds the category 6 standards. This enhanced cabling technology will support future high speed multi-gigabit protocols. As part of the system, the IBDN 4824LX cable offers greater signal power and signal-to-noise-ratio. Working in conjunction with the IBDN 4800LX cable is the advanced series of IBDN PS6+ modules to provide a complete superior solution.

GigaBIX **Cross-Connect System**

The GigaBIX Cross-Connect wire guarantees Beyond Cat6™ performance when installed in an IBDN System 4800LX. The cross-connect wire allows for an incredible high density installation which is a true space saving benefit for Warwick University. The GigaBIX Cross-Connect Wire solution also offers the best price-to-performance-ratio and fit well within Warwick University's budgetary requirements.



*As part of the system, the
IBDN 4824LX cable offers greater
signal power...*

IBDN *Success Stories*

Superior *Warranty*

The IBDN components installed in the IBDN structured cabling system have been "certified" to be warranted for a period of 25 years on parts and labour from the date of installation. This is one of the industry's strongest warranty programs. These components are also warranted to meet or exceed the specifications of standards organizations including ISO/IEC CENELEC and TIA/EIA for the category of IBDN system installed.

To further protect their installation NORDX/CDT offers an exclusive Lifetime Assurance Warranty. This means that the IBDN Certified Structured Cabling System is guaranteed to operate with the applications which the System was originally designed to support, as well as any new applications, for as long as Warwick Communications owns the System in its original place of installation.

Future Proofing

Warwick University required leading edge technology for a leading edge university. A robust and highly reliable network is a prerequisite for any modern institution, especially for Warwick University who have future plans to implement video conferencing. For now the University networks provides all applications and services for their staff and students over a superior GigaBit Ethernet network infrastructure.

Warwick University was ranked 5th among the UK's 100 university's for quality of research in the UK Funding Councils' 2001 Research assessment Exercise. As over 91% of the University's academic staff are located in departments with top research ratings of 5 of 5* the fact that the network now has the capability to run future high bandwidth applications was viewed as being essential to the future development of the University's research facilities

Therefore NORDX/CDT's IBDN 4800LX Beyond Cat6 TM end-to-end structured cabling system was the obvious choice in order to future proof Warwick University's network. A number of innovative video and audio teaching applications are already being tested on the system. NORDX/CDT, with over 100 years of experience, and a leading manufacturer of structured cabling solutions was proud to be a part of this successful project.

Organization

Warwick University

Location

Coventry, UK

Vertical Market

Education

Number of Sites/Buildings

1

Cabling System

IBDN GigaBIX Cross-Connect System
IBDN System 4800LX

For more information about NORDX/CDT Structured Cabling Systems visit us on the web at www.nordx.com or contact the NORDX/CDT office in your area.